

L Number	Hits	Search Text	DB	Time stamp
-	284750	multiplication or multiply or multiplying or multiplied or multiplies	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 11:11
-	736512	complex or complexing or complexed or complexes	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 11:12
-	166257	mux or multiplexor\$1 or multiplexer\$1 or multiplexing	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 11:12
-	15557	real and imaginary	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 11:13
-	1427	(multiplication or multiply or multiplying or multiplied or multiplies) and (complex or complexing or complexed or complexes) and (mux or multiplexor\$1 or multiplexer\$1 or multiplexing) and (real and imaginary)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 11:13
-	275	((multiplication or multiply or multiplying or multiplied or multiplies) and (complex or complexing or complexed or complexes) and (mux or multiplexor\$1 or multiplexer\$1 or multiplexing) and (real and imaginary)) and 708/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 13:41
-	139	708/316.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 13:48
-	6211	filter\$3 and 708/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 13:49
-	599	(real and imaginary) and (filter\$3 and 708/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 13:21
-	219	(mux or multiplexor\$1 or multiplexer\$1 or multiplexing) and ((real and imaginary) and (filter\$3 and 708/\$.ccls.))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 13:49
-	210	(complex or complexing or complexed or complexes) and ((mux or multiplexor\$1 or multiplexer\$1 or multiplexing) and ((real and imaginary) and (filter\$3 and 708/\$.ccls.)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/10 13:50
-	278768	John.in. or Ying-wai.in. or Ying.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 16:22
-	341165	float or floating-point or floating	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:35

-	409	(John.in. or Ying-wai.in. or Ying.in.) and 21.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 16:22
-	1	John.in. and (Ying-wai.in. or Ying.in.) and ((John.in. or Ying-wai.in. or Ying.in.) and 21.ti.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 16:24
-	403	John.in. and ((John.in. or Ying-wai.in. or Ying.in.) and 21.ti.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 16:24
-	7	(Ying-wai.in. or Ying.in.) and ((John.in. or Ying-wai.in. or Ying.in.) and 21.ti.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 16:26
-	1	Ho.in. and ((John.in. or Ying-wai.in. or Ying.in.) and 21.ti.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 16:27
-	469	Ho.in. and (float or floating-point or floating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:12
-	2	("5392228").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:12
-	341509	FPU or float or floating-point or floating	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:36
-	1866	mantissa and exponent and (FPU or float or floating-point or floating)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:36
-	740	(minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:37
-	294	((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:41
-	198	((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:42
-	149	normaliz\$5 and (((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 18:07
-	1	IDU and FPU and MUL and PIP	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 17:52

-	10	flush\$3 and (normaliz\$5 and (((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 18:05
-	34	(NARY or N-NARY) and dit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 18:06
-	139	(normaliz\$5 and (((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1)) not (flush\$3 and (normaliz\$5 and (((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 18:12
-	61	(underflow or under-flow) and ((normaliz\$5 and (((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1)) not (flush\$3 and (normaliz\$5 and (((minimum or smallest) and (mantissa and exponent and (FPU or float or floating-point or floating))) and 708/\$.ccls.) and range\$1))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 18:32
-	36	708/498.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/01/23 18:33
-	74	708/501.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 11:41
-	18	("5928316") or ("4866652") or ("6275838") or ("5999960") or ("5892698") or ("5889690") or ("5880983") or ("5530663") or ("5517438")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 11:50
-	2	("5923577").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 11:47
-	34	("5025407") or ("5367650") or ("5805486") or ("5923577") or ("6249798") or ("6428746") or ("5159665") or ("5206823") or ("5220524") or ("5257216") or ("5278949") or ("5341321") or ("5420966") or ("5420971") or ("5847979") or ("6169554") or ("6175370")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 11:51
-	94	708/497.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 14:16
-	0	6510446.URPN.	USPAT	2003/02/04 13:26
-	6	("4258943"   "5258943"   "5303175"   "6128726"   "6219684"   "6334442").PN.	USPAT	2003/02/04 13:26
-	0	20020198918.URPN.	USPAT	2003/02/04 13:27
-	6	("4878190"   "5212661"   "5341321"   "5373461"   "5511016"   "5627773").PN.	USPAT	2003/02/04 14:06
-	4	5764555.URPN.	USPAT	2003/02/04 14:06

-	10	("4338675"   "4562553"   "4758972"   "4839846"   "4941120"   "5235533"   "5257215"   "5258943"   "5404324"   "5408426").PN.	USPAT	2003/02/04 14:09
-	17	5511016.URPN.	USPAT	2003/02/04 14:09
-	0	(708/497.ccls. and 708/497.ccls) or (708/497.ccls not (708/497.ccls. and 708/497.ccls))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 14:17
-	36	708/498.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 17:31
-	25	compar\$5 and 708/498.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/04 17:32
-	92	708/530.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:39
-	19	exponent\$3 and 708/530.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:45
-	305	(708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:46
-	163	((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:46
-	62	((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:47
-	26	(((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round) and overflow	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:47
-	8	(((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round) and overflow) and underflow	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 15:54
-	0	H001993.URPN.	USPAT	2003/02/05 15:52
-	4	("4975868"   "5309383"   "5481745"   "5619439").PN.	USPAT	2003/02/05 15:52
-	18	(((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round) and overflow) not (((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round) and overflow) and underflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 16:00
-	36	(((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round) not (((((708/5\$\$ccls or 708/6\$\$ccls.) and exponent\$1) and mantissa) and round) and overflow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/02/05 16:01

-	2	("5768170").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 15:07
-	104	(floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ti. and 708/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:36
-	73	((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ti. and 708/\$.ccls.)) and (zero\$1 or "0")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 15:09
-	68	((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ti. and 708/\$.ccls.)) and (zero\$1 or "0")) and (normal\$5 or denormal\$5 or round\$3).ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 15:23
-	4	"09134171"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 15:23
-	10	"6223198"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:16
-	23	chat.xa.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:35
-	6622	round\$3 same nearest	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:36
-	402	(floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ab. and 708/\$.ccls.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:36
-	158	((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ab. and 708/\$.ccls.)) and nearest	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:36
-	149	((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ab. and 708/\$.ccls.)) and nearest) and zero\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:37
-	158	((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ab. and 708/\$.ccls.)) and nearest) and (zero\$1 or "0")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/13 16:37
-	124	((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ab. and 708/\$.ccls.)) and nearest) and (zero\$1 or "0")) not (((floating adj point\$1) and ((normal\$5 or denormal\$5 or round\$3).ti. and 708/\$.ccls.)) and (zero\$1 or "0")) and (normal\$5 or denormal\$5 or round\$3).ab.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/14 10:07

-	3	"09734972"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/08/14 10:07
-	22311	708/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:32
-	18965	(floating adj point\$1) or floating-point\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:34
-	2054	708/\$.ccls. and ((floating adj point\$1) or floating-point\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:34
-	263	(denormal\$7 or (de adj normal\$7) or de-normal\$7) and (708/\$.ccls. and ((floating adj point\$1) or floating-point\$1))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:35
-	245	exponent\$1 and ((denormal\$7 or (de adj normal\$7) or de-normal\$7) and (708/\$.ccls. and ((floating adj point\$1) or floating-point\$1)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:35
-	121	(exponent\$1 and ((denormal\$7 or (de adj normal\$7) or de-normal\$7) and (708/\$.ccls. and ((floating adj point\$1) or floating-point\$1)))) and (underflow or (under adj flow\$1) or under-flow)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:37
-	117	(flush\$3 or set\$3) and ((exponent\$1 and ((denormal\$7 or (de adj normal\$7) or de-normal\$7) and (708/\$.ccls. and ((floating adj point\$1) or floating-point\$1)))) and (underflow or (under adj flow\$1) or under-flow))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:36
-	1847	(underflow or (under adj flow\$1) or under-flow).ti. or (underflow or (under adj flow\$1) or under-flow).clm. or ((underflow or (under adj flow\$1) or under-flow).ab.) and ((flush\$3 or set\$3) and ((exponent\$1 and ((denormal\$7 or (de adj normal\$7) or de-normal\$7) and (708/\$.ccls. and ((floating adj point\$1) or floating-point\$1)))) and (underflow or (under adj flow\$1) or under-flow)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:37
-	36	((underflow or (under adj flow\$1) or under-flow).ti. or (underflow or (under adj flow\$1) or under-flow).clm. or (underflow or (under adj flow\$1) or under-flow).ab.) and ((flush\$3 or set\$3) and ((exponent\$1 and ((denormal\$7 or (de adj normal\$7) or de-normal\$7) and (708/\$.ccls. and ((floating adj point\$1) or floating-point\$1)))) and (underflow or (under adj flow\$1) or under-flow)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/04/12 14:37
-	3	jiang.in. and xingyu.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:07
-	11	ho.in. and ying-wai.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:08

-	13	(jiang.in. and xingyu.in.) or (ho.in. and ying-wai.in.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:14
-	22894	708/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:19
-	6581	(floating-point\$1 or (floating adj point\$1)) and zero\$1 and (smallest or minimum)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:20
-	830	708/\$.ccls. and ((floating-point\$1 or (floating adj point\$1)) and zero\$1 and (smallest or minimum))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:20
-	446	\$3normaliz\$5 and (708/\$.ccls. and ((floating-point\$1 or (floating adj point\$1)) and zero\$1 and (smallest or minimum)))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:21
-	311	(\$3normaliz\$5 and (708/\$.ccls. and ((floating-point\$1 or (floating adj point\$1)) and zero\$1 and (smallest or minimum)))) and round\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:21
-	157	(((\$3normaliz\$5 and (708/\$.ccls. and ((floating-point\$1 or (floating adj point\$1)) and zero\$1 and (smallest or minimum)))) and round\$3) and exponent\$1 and mantissa	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:22
-	74	(underflow or under-flow or (under adj flow)) and ((((\$3normaliz\$5 and (708/\$.ccls. and ((floating-point\$1 or (floating adj point\$1)) and zero\$1 and (smallest or minimum)))) and round\$3) and exponent\$1 and mantissa)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 09:23
-	70415	round\$3 and ("near" or "nearest") and mode\$1	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 13:32
-	603	(round\$3 and ("near" or "nearest") and mode\$1) and 708/\$.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 13:33
-	135	((round\$3 and ("near" or "nearest") and mode\$1) and 708/\$.ccls.) and exponent\$1 and mantissa	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 13:33
-	40	((round\$3 and ("near" or "nearest") and mode\$1) and 708/\$.ccls.) and exponent\$1 and mantissa) and (de-normaliz\$5 or denormaliz\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 13:34
-	40	(floating-point\$1 or (floating adj point\$1)) and (((round\$3 and ("near" or "nearest") and mode\$1) and 708/\$.ccls.) and exponent\$1 and mantissa) and (de-normaliz\$5 or denormaliz\$5)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/11/03 13:34

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Schwarz, E.M.; Schmookler, M.; Trong, S.D.;

Computer Arithmetic, 2003. Proceedings. 16th IEEE Symposium on , 15-18 June 2003

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2 **A segment-based  $C_0$  adaptation scheme for PMC-based noisy Mandarin speech recognition**

Wei-Tyng Hong; Sin-Horng Chen;

Acoustics, Speech, and Signal Processing, 1999. ICASSP '99. Proceedings., 1999 IEEE International Conference on , Volume: 1 , 15-19 March 1999

Pages:433 - 436 vol.1

[\[Abstract\]](#)   [\[PDF Full-Text \(320 KB\)\]](#)   IEEE CNF

3 **A new approximation theory for Z-domain elliptic transfer functions**

Nowrouzian, B.;

Circuits and Systems, 1993., ISCAS '93, 1993 IEEE International Symposium on , 3-6 May 1993

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[\[Abstract\]](#)   [\[PDF Full-Text \(260 KB\)\]](#)   IEEE CNF

4 **Closed-form solutions for discrete-time elliptic transfer functions**

Nowrouzian, B.; Bruton, L.T.;

Circuits and Systems, 1992., Proceedings of the 35th Midwest Symposium on , 9-12 Aug. 1992

Pages:784 - 787 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(280 KB\)\]](#)   IEEE CNF

5 **Applying features of IEEE 754 to sign/logarithm arithmetic**



*Arnold, M.G.; Bailey, T.A.; Cowles, J.R.; Winkel, M.D.;*  
Computers, IEEE Transactions on , Volume: 41 , Issue: 8 , Aug. 1992  
Pages:1040 - 1050

[\[Abstract\]](#) [\[PDF Full-Text \(948 KB\)\]](#) IEEE JNL

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**6 Design of general-order shaping transfer functions for Bode-type variable-amplitude digital equalizers**

*Fuller, A.T.C.; Nowrouzian, B.;*

Circuits and Systems, 1998. Proceedings. 1998 Midwest Symposium on , 9-12 Aug. 1998

Pages:448 - 451

[\[Abstract\]](#) [\[PDF Full-Text \(92 KB\)\]](#) IEEE CNF

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**7 Parameters of Butterworth, Tschebyscheff, and elliptic prototype reference transfer functions in discrete-time frequency transformations**

*Nowrouzian, B.; Constantinides, A.G.;*

Circuits and Systems, 1991., Proceedings of the 34th Midwest Symposium on , 14-17 May 1991

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[\[Abstract\]](#) [\[PDF Full-Text \(252 KB\)\]](#) IEEE CNF

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**8 Prototype reference transfer function parameters in the discrete-time frequency transformations**

*Nowrouzian, B.; Constantinides, A.G.;*

Circuits and Systems, 1990., Proceedings of the 33rd Midwest Symposium on , 12-14 Aug. 1990

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